

## HS3 - Global Hawk #872 08/20/13 - 08/21/13 Science Report

**Aircraft:** [Global Hawk - AFRC #872](#) ([See full schedule](#))

**Date:** Tuesday, August 20, 2013 - Wednesday, August 21, 2013

**Mission:** HS3

**Mission Location:** Central Atlantic flight from WFF

**Mission Summary:**

**Submitted by:** Scott Braun on 08/27/13

**File:**

 [HS3-2013AUG20-AV6-SAL-mission\\_final.pdf](#)

**Related Flight Report:**

### Global Hawk #872 08/20/13 - 08/21/13

**Flight Number:** 872-0113

**Payload Configuration:** HS3 - TN872 2013 configuration

**Nav Data Collected:** No

**Total Flight Time:** 25.1 hours

**Comments:** TN872 landed at WFF at 0946 EDT after a 25.1 mission over the Atlantic to investigate the remnants of Erin and a Saharan dust layer. Also, AVPS was able to deploy 15 sondes and demonstrate that their instrument is functioning properly. They were able to collect data all the way down to the ocean surface. The instruments and aircraft operated nominally, except for the EIP #2 or TRU #2 that malfunctioned part way into the flight. The aircraft will be fueled today and weighed. Then the ops team will begin replacement of the engine nozzles and troubleshooting on the payload power issue.

**Submitted by:** Chris Naftel on 08/21/13

**Flight Segments:**

<b>From:</b>	WFF	<b>To:</b>	WFF
<b>Start:</b>	08/20/13 12:41 Z	<b>Finish:</b>	08/21/13 13:46 Z
<b>Flight Time:</b>	25.1 hours		
<b>Log Number:</b>	<a href="#">13H010</a>	<b>PI:</b>	Marilyn Vasques
<b>Funding Source:</b>	Hal Maring - NASA - SMD - ESD Radiation Science Program		
<b>Purpose of Flight:</b>	Science		

**Flight Hour Summary:**

	<b>13H010</b>
<b>Flight Hours Approved in SOFRS</b>	459.1
<b>Total Used</b>	272.4
<b>Total Remaining</b>	186.7

#### 13H010 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">08/01/13</a>	872-0111	Check	5	5	454.1	
<a href="#">08/08/13</a>	871-0087	Check	4.6	9.6	449.5	
<a href="#">08/14/13</a>	871-0088	Ferry	10.8	20.4	438.7	
<a href="#">08/16/13</a>	872-0112	Ferry	10.2	30.6	428.5	
<a href="#">08/20/13 - 08/21/13</a>	872-0113	Science	25.1	55.7	403.4	

<a href="#">08/24/13 - 08/25/13</a>	872-0114	Science	24.6	80.3	378.8
<a href="#">08/29/13 - 08/30/13</a>	872-0115	Science	22.6	102.9	356.2
<a href="#">09/03/13 - 09/04/13</a>	871-0089	Science	23.2	126.1	333
<a href="#">09/04/13 - 09/05/13</a>	872-0116	Science	22.9	149	310.1
<a href="#">09/07/13 - 09/08/13</a>	872-0117	Science	23.2	172.2	286.9
<a href="#">09/10/13</a>	871-0090	Science	4.6	176.8	282.3
<a href="#">09/15/13 - 09/16/13</a>	871-0091	Science	22.9	199.7	259.4
<a href="#">09/16/13 - 09/17/13</a>	872-0118	Science	20.6	220.3	238.8
<a href="#">09/17/13</a>	871-0092	Science	4.5	224.8	234.3
<a href="#">09/19/13 - 09/20/13</a>	872-0119	Science	22.7	247.5	211.6
<a href="#">09/25/13 - 09/26/13</a>	871-0093	Science	15.1	262.6	196.5
<a href="#">09/26/13</a>	872-0120	Ferry	9.8	272.4	186.7

*Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.*

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NASA Official: Bruce A. Tagg

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